

RECEIVED

NOV 09 2001

TECH CENTER 1600/2800

1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/489,873

DATE: 10/24/2001
TIME: 14:05:19

Input Set : A:\9142-006-999.txt
Output Set: N:\CRF3\10242001\I489873.raw

5 <110> APPLICANT: Karsenty, Gerard
 7 Ducy, Patricia
 9 Amling, Michael
 13 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR CONTROL OF BONE FORMATION VIA
 14 MODULATION OF LEPTIN ACTIVITY
 18 <130> FILE REFERENCE: 9142-006-999
 22 <140> CURRENT APPLICATION NUMBER: 09/489,873
 24 <141> CURRENT FILING DATE: 2000-01-20
 28 <150> PRIOR APPLICATION NUMBER: 60/138,733
 30 <151> PRIOR FILING DATE: 1999-06-11
 34 <160> NUMBER OF SEQ ID NOS: 20
 38 <170> SOFTWARE: PatentIn version 3.0
 42 <210> SEQ ID NO: 1
 44 <211> LENGTH: 17
 46 <212> TYPE: DNA
 48 <213> ORGANISM: Homo sapiens
 52 <400> SEQUENCE: 1
 53 catcttactt cagagaaa
 56 <210> SEQ ID NO: 2
 58 <211> LENGTH: 24
 60 <212> TYPE: DNA
 62 <213> ORGANISM: Homo sapiens Errored
 66 <400> SEQUENCE: 2
 67 catcttactt cagagaaaat acac
 70 <210> SEQ ID NO: 3
 72 <211> LENGTH: 29
 74 <212> TYPE: DNA
 76 <213> ORGANISM: Homo sapiens
 80 <400> SEQUENCE: 3
 81 catcttactt cagagaagta cacccataaa
 84 <210> SEQ ID NO: 4
 86 <211> LENGTH: 35
 88 <212> TYPE: DNA
 90 <213> ORGANISM: Homo sapiens
 94 <400> SEQUENCE: 4
 95 catcttactt cagagaagta cacccataat cctct
 98 <210> SEQ ID NO: 5
 100 <211> LENGTH: 35
 102 <212> TYPE: DNA
 104 <213> ORGANISM: Homo sapiens
 108 <400> SEQUENCE: 5
 109 aatcatctta cttagagaa gtacacccat aatcc
 112 <210> SEQ ID NO: 6
 114 <211> LENGTH: 29
 116 <212> TYPE: DNA
 118 <213> ORGANISM: Homo sapiens
 122 <400> SEQUENCE: 6

Does Not Comply
 Corrected Diskette Needed

See : Page 2 of 6

Sequence ID NO: 9 24

The nucleotide "u" may not
 appear in DNA sequences

29

35

35

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/489,873

DATE: 10/24/2001
TIME: 14:05:19

Input Set : A:\9142-006-999.txt
Output Set: N:\CRF3\10242001\I489873.raw

123 cttaacttcag agaagtacac ccataatcc	29
126 <210> SEQ ID NO: 7	
128 <211> LENGTH: 23	
130 <212> TYPE: DNA	
132 <213> ORGANISM: Homo sapiens	
136 <400> SEQUENCE: 7	
137 tcagagaagt acaccataaa tcc	23
140 <210> SEQ ID NO: 8	
142 <211> LENGTH: 17	
144 <212> TYPE: DNA	
146 <213> ORGANISM: Homo sapiens	
150 <400> SEQUENCE: 8	
151 aagtacaccc ataatcc	
154 <210> SEQ ID NO: 9	
156 <211> LENGTH: 56	
158 <212> TYPE: DNA	
160 <213> ORGANISM: Homo sapiens	
164 <220> FEATURE:	
166 <221> NAME/KEY: misc_feature	
168 <223> OTHER INFORMATION: n = a, u, g, or c	
172 <400> SEQUENCE: 9	
W--> 173 acagaaaaaa ugacaaaauca aagcagannn nucugagnag uccuuacuuc agagaa	56
176 <210> SEQ ID NO: 10	
178 <211> LENGTH: 57	
180 <212> TYPE: RNA	
182 <213> ORGANISM: Homo sapiens	
186 <220> FEATURE:	
188 <221> NAME/KEY: misc_feature	
190 <223> OTHER INFORMATION: n = a, u, g, or c	
194 <400> SEQUENCE: 10	
W--> 195 ggccccggca gcgcugccaa agccggnnnn ccggagnagu cgccagacccg gcucgug	57
198 <210> SEQ ID NO: 11	
200 <211> LENGTH: 56	
202 <212> TYPE: RNA	
204 <213> ORGANISM: Homo sapiens	
208 <220> FEATURE:	
210 <221> NAME/KEY: misc_feature	
212 <223> OTHER INFORMATION: n = a, u, g, or c	
216 <400> SEQUENCE: 11	
W--> 217 uggcaugcaa gacaaaggcag gnnnnccuga gnaguccuua aaucuccaag gaguua	56
220 <210> SEQ ID NO: 12	
222 <211> LENGTH: 50	
224 <212> TYPE: RNA	
226 <213> ORGANISM: Homo sapiens	
230 <220> FEATURE:	
232 <221> NAME/KEY: misc_feature	
234 <223> OTHER INFORMATION: n = a, u, g, or c	
238 <400> SEQUENCE: 12	
W--> 239 uaauaugacaa agcugunnnn acagagnagu ccuugugugg uaaagacacg	50

*Error ed
The nucleotide "u" may be present in RNA sequences
only*

OK

OK

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/489,873

DATE: 10/24/2001
TIME: 14:05:19

Input Set : A:\9142-006-999.txt
Output Set: N:\CRF3\10242001\I489873.raw

242 <210> SEQ ID NO: 13
 244 <211> LENGTH: 61
 246 <212> TYPE: RNA
 248 <213> ORGANISM: Homo sapiens
 252 <220> FEATURE:
 254 <221> NAME/KEY: misc_feature
 256 <223> OTHER INFORMATION: n = a, u, g, or c
 260 <400> SEQUENCE: 13
 W--> 261 agcaccaauu gaauugaugg ccaaaggccc nnnncccgag nagucaaccg uaacaguau 60
 263 u 61
 266 <210> SEQ ID NO: 14
 268 <211> LENGTH: 69
 270 <212> TYPE: RNA
 272 <213> ORGANISM: Homo sapiens
 276 <220> FEATURE:
 278 <221> NAME/KEY: misc_feature
 280 <223> OTHER INFORMATION: n = a, u, g, or c
 284 <400> SEQUENCE: 14
 W--> 285 ugaaauuuguu ucaggcucca aagccggnnn nccggagnag ucaagaagag gaccacaugu 60
 287 cacugau 69
 290 <210> SEQ ID NO: 15
 292 <211> LENGTH: 61
 294 <212> TYPE: RNA
 296 <213> ORGANISM: Homo sapiens
 300 <220> FEATURE:
 302 <221> NAME/KEY: misc_feature
 304 <223> OTHER INFORMATION: n = a, u, g, or c
 308 <400> SEQUENCE: 15
 W--> 309 gguuucuuca gugaauuuac acaaaggcagc nnnngcugag nagucaguua ggucacacau 60
 311 c 61
 314 <210> SEQ ID NO: 16
 316 <211> LENGTH: 53
 318 <212> TYPE: RNA
 320 <213> ORGANISM: Homo sapiens *OK*
 324 <220> FEATURE:
 326 <221> NAME/KEY: misc_feature
 328 <223> OTHER INFORMATION: n = a, u, g or c
 332 <400> SEQUENCE: 16
 W--> 333 acccaauuaa acacaaggcu gannnnucag agnagucauc ugaagguuuc uuc 53
 336 <210> SEQ ID NO: 17
 338 <211> LENGTH: 21
 340 <212> TYPE: DNA
 342 <213> ORGANISM: Homo sapiens
 346 <400> SEQUENCE: 17
 347 tggataaaacc cttgtcttc a 21
 350 <210> SEQ ID NO: 18
 352 <211> LENGTH: 23
 354 <212> TYPE: DNA
 356 <213> ORGANISM: Homo sapiens

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/489,873

DATE: 10/24/2001
TIME: 14:05:19

Input Set : A:\9142-006-999.txt
Output Set: N:\CRF3\10242001\I489873.raw

360 <400> SEQUENCE: 18
361 acactgttaa tttcacacca gag 23
364 <210> SEQ ID NO: 19
366 <211> LENGTH: 20
368 <212> TYPE: DNA
370 <213> ORGANISM: Homo sapiens
374 <400> SEQUENCE: 19
375 gttgagagat catctccacc 20
378 <210> SEQ ID NO: 20
380 <211> LENGTH: 20
382 <212> TYPE: DNA
384 <213> ORGANISM: Homo sapiens
388 <400> SEQUENCE: 20
389 agcgatgtg aaccaggta 20

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/489,873

DATE: 10/24/2001
TIME: 14:05:20

Input Set : A:\9142-006-999.txt
Output Set: N:\CRF3\10242001\I489873.raw

L:173 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9
L:173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:195 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:10
L:195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:217 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:11
L:217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:239 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:12
L:239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:261 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:261 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:285 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:14
L:285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:309 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:15
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:333 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:16
L:333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16